

Serial No. 08/585,207

REMARKS

In response to the Office Action of October 23, 1996, the claims have been amended to more clearly define Applicant's invention. Claims 1, 3-8, and new claim 9 remain in the case for consideration.

Original claims 1, 2, and 4-7 were rejected under 35 U.S.C. 103 (a) as being unpatentable over Jacobs in view of the British patent '158. Jacobs discloses a combination turbine type cooling pump and heating system for an automobile passenger compartment.

Jacobs compromises the full heating capability in the turbine chamber in order to achieve a pumping capability, by eliminating the internal stator buckets.

The British patent '158 (Froude) is a hydraulic apparatus in which heat is generated as the rotor buckets move pass the stator buckets. Froude requires an outside or separate recirculating pump J.

New claim 9 defines a combination of a housing having both internal stator buckets and internal rotor buckets but in which the rotor buckets also carry centrifugal pumping vanes which function to pump fluid into the housing and toward the stator buckets, that is, they produce a liquid flow through the turbine chamber. This combination is not suggested by either Jacobs or the British patent. For this reason it is believed that new claim 9 is allowable. Claim 3 now depends from claim 9, and is therefore also desirable.

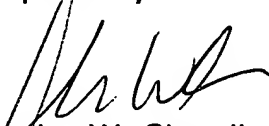
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Claim 3 has been rewritten, as amended claim 1, in accordance with paragraph 4 of the Office Action to include all the limitations of the base claim and the intervening claims. Accordingly, it is believed that claim 1 in its amended form is now in condition for allowance.

The remaining dependent claims depend from claim 1, and include the limitations of claim 1 and are therefore also believed to be in condition for allowance.

It is believed that the application is in condition for allowance and such action is requested.

Respectfully submitted,

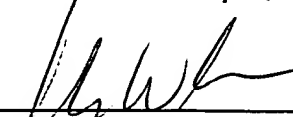


Charles W. Chandler  
P.O. Reg. No. 24,290  
Attorney for Applicant  
33150 Schoolcraft  
Livonia, MI 48150  
(313) 522-0920

Date: 1/15/97

CERTIFICATE UNDER 37 CFR 1.8 (a)

I hereby certify that the foregoing Response to the First Office Action is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Box Non-Fee Amendments (PATs), Commissioner of Patents and Trademarks, Washington, D.C. 20231 on January 16, 1997.



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Charles W. Chandler  
Attorney for Applicant